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*Memorandum*

TO : Chairman of OC Equipment Board

FROM : Chief, Operations Support Staff, OC

SUBJECT: Procurement of RT-66 Transmitters

DATE: OSS M67-939  
19 October 1967

1. Projections for consumption of the RT-49 transmitter show that stock replacement will be needed during the period June to December 1968. A copy of the use projection is attached. During OS tests, the prototype RT-66 transmitter performed, in many respects, far better than production models of the RT-49. (The RT-66 provides more power, is more efficient, and is much simpler to use. It is also more complicated and more expensive). Because of the demonstrated advantages we recommend that the RT-66 be refined and produced in quantity to replace the RT-49. OC-E advises that delivery can follow an order by 12 months so prompt action is in order to insure system availability. The concept of an improved transmitter for the RS-49 system was recently conveyed to Defense representatives when they were asked to limit requirements against existing stocks of RT-49 and RP-49 equipment.

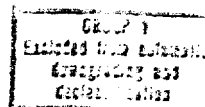
2. Many refinements were proposed for the RT-66 but most are unnecessary if the equipment becomes a part of the RS-49. A required refinement is the addition of a low power tune feature to reduce radiation of the unique cyclic tuning signal.

3. If the board agrees to accept the RT-66 as a replacement for the RT-49 and RP-49 we recommend that 150 RT-66's be purchased for stock. This quantity is related to procurement of additional RR-49's, RS/R-49's, and other system accessories for stock replacement. It is also suggested that the RT-66 nomenclature be changed to conform with other RS-49 system designations.



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Attachment A

RT-49 ISSUES AND PROJECTED USAGE

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1. Quantity originally procured from [REDACTED]
2. Quantity to be available for use subsequent to R&D laboratory modification. Note: 50 RT-49 transmitters were uneconomical to repair.

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[REDACTED]

5. Balance presently available
6. Estimated future issues

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a. Approximately [REDACTED] complete RS-49 systems less CK-8 components will be transferred to the military services upon receipt of a consolidated requirement from the Defense Intelligence Agency.

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b. The balance (approximately [REDACTED]) will be available for Agency Clandestine Services projects. Expected issue rate is [REDACTED] per month. Stock should be depleted between June and December 1968.

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GROUP 1  
Excluded from automatic  
downgrading and  
declassification

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Attachment B

RT-66 PROJECTED USAGE

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1. Procurement quantity recommended
2. Estimated quantity required for training, testing and demonstration by OC world-wide
3. Balance to be available for operational issue
  - a. Defense Intelligence Agency requirements are presently unknown.
  - b. Agency Clandestine Services project consumption is estimated at five per month.
4. Conclusion:

If no requirement is received from DIA, the 125 units available for Clandestine Services use should last for approximately 25 months.

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